Ministry of
Natural
Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

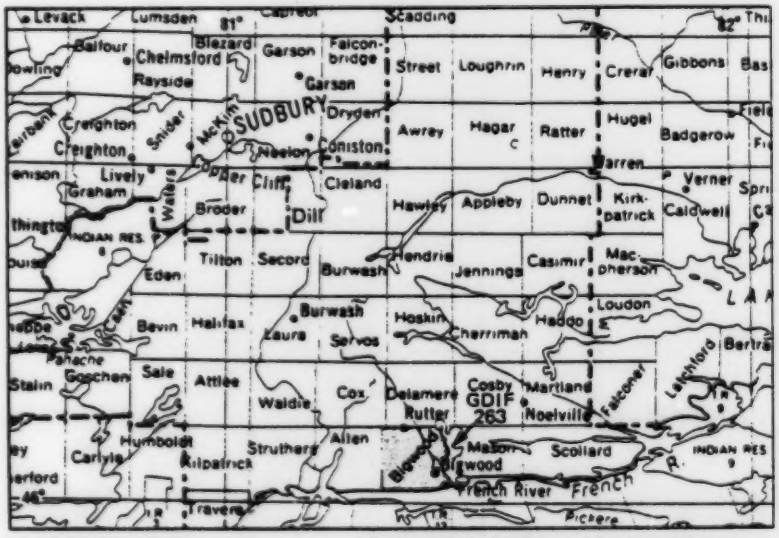
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 263

BIGWOOD TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-025417

NTS Number 41 I/2

Mining Claim Map Number M 666

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Bigwood Township,District of Sudbury, Ontario Geological Survey, Geological Data Inventory Folio 263; Compiled by the Staff of the Resident Geologist's Office, Sudbury, 18p. and 2 maps.

Original Compilation by: MacNeil, Ronald James February 26, 1985

Date	Page Revised	Revised by

Date	Page Revised	Revised by

BIGWOOD TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map 1 map
Exploration Data Map 1 map
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	R.M.
2	Assessment Files Research Office, Toronto	N.A.	R.M.
3	ODM General Index; 9 Volumes	Yes	R.M.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	R.M.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	R.M.
6	ODM Industrial Mineral Reports	Yes	R.M.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	N.A.	R.M.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	R.M.
9	Newspaper Clippings File	No	R.M.
10	GSC Index to Publications	Yes	R.M.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	R.M.
12	OGS Index Maps	Yes	R.M.
13	Source Mineral Deposit Records (O.G.S.) Mineral Occurrences File	Yes	R.M.
14	Author - Subject Articles File	Yes	R.M.
15	Miscellaneous Papers: ODM & OGS	Yes	R.M.
16	ODM Geological Circulars: OGS Study Series	Yes	R.M.
17	ODM Preliminary Reports: ODM Bulletins	Yes	R.M.
18	ODM – OGS Open File Reports	Yes	R.M.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	R.M.
20	OGS Aggregate Resources Inventory Papers	No	R.M.
21	OGS Mineral Potential Maps	Yes	R.M.
22	Theses on File, Sudbury	Yes	R.M.
23	Aerial Photographs on File, Sudbury	No	R.M.

METALS AND MINERALS REFERENCES LIST

- Δ anh. . . . . .Anhydrite
- Δ ank. . . . . .Ankerite
- Δ anna . . . . . Annabergite
- Δ ap. . . . . .Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . .Arsenic
- Δ asp . . . . . .Arsenopyrite
- Δ asb . . . . . .Asbestos
- Δ ba. . . . . .Barite
- Δ be. . . . . .Beryl
- Δ Bi. . . . . .Bismuth
- Δ bn . . . . . .Bornite
- Δ bran . . . . . .Brannerite
- Δ bruc . . . . . .Brucite
- Δ Cd . . . . . .Cadmium
- Δ calc. . . . . .Calcite
- Δ carb . . . . . .Carbonate
- Δ cel . . . . . .Celestite
- Δ cc. . . . . .Chalcocite
- Δ cp. . . . . .Chalcopyrite
- Δ ch. . . . . .Chert
- Δ clay . . . . . .Clay
- Δ Co . . . . . .Cobalt
- Δ cob. . . . . Cobaltite
- Δ cb. . . . . .Columbite
- Δ Cu . . . . . .Copper
- Δ cor . . . . . Corundum
- Δ dol . . . . . Dolomite
- Δ ep. . . . . Epidote
- Δ ery . . . . . Erythrite
- Δ fel . . . . . .Feldspar
- Δ fl . . . . . .Fluorite (flurospar)
- Δ fu. . . . . .Fuchsite
- Δ gn. . . . . .Galena
- Δ gt. . . . . .Garnet
- Δ goe. . . . . .Goethite
- Δ Au . . . . . Gold
- Δ gf. . . . . .Graphite
- Δ gl . . . . . Gravel
- Δ gyp. . . . . .Gypsum
- Δ hem . . . . . Hematite
- Δ il . . . . . Ilmenite
- Δ Fe . . . . . .Iron
- Δ IF. . . . . Iron Formation
- Δ jas . . . . . Jasper
- Δ kaol . . . . . .Kaolinite (kaolin)
- Δ ky . . . . . Kyanite
- Δ Pb . . . . . Lead
- Δ lim . . . . . Limonite
- Δ Li. . . . . Lithium
- Δ mgst . . . . . .Magnesite
- Δ mag . . . . . .Magnetite
- Δ mc . . . . . .Malachite
- Δ Mn . . . . . Manganese
- Δ mb . . . . . .Marble
- Δ mar. . . . . Marcasite
- Δ ma . . . . . .Marl
- Δ mi . . . . . Mica
- Δ ml . . . . . .Millerite
- Δ mo . . . . . .Molybdenite
- Δ Mo . . . . . .Molybdenum
- Δ mon . . . . . Monazite
- Δ ne. . . . . Nephelite (nepheline)
- Δ nc. . . . . .Niccolite
- Δ Ni. . . . . Nickel
- Δ Nb . . . . . .Niobium
- Δ Pd . . . . . .Palladium
- Δ peat . . . . . .Peat
- Δ pent . . . . . .Pentlandite
- Δ Pt. . . . . .Platinum
- Δ py . . . . . .Pyrite
- Δ pyl . . . . . Pyrochlore
- Δ pyrl . . . . . .Pyrolusite
- Δ po . . . . . .Pyrrhotite
- Δ q . . . . . .Quartz
- Δ qcv . . . . .Quartz carbonate vein
- Δ ra. . . . . .Radioactive minerals
- Δ RE . . . . . .Rare Earths
- Δ sd. . . . . Sand
- Δ sgl . . . . . Sand and gravel
- Δ ss . . . . . .Sandstone
- Δ scap . . . . . Scapolite
- Δ shee . . . . . .Scheelite
- Δ serp . . . . . Serpentine
- Δ sh. . . . . .Shale
- Δ sid . . . . . Siderite
- Δ si . . . . . .Silica
- Δ Ag . . . . . .Silver
- Δ sl . . . . . Slate
- Δ sm . . . . . .Smaltite
- Δ sod . . . . . Sodalite
- Δ spec . . . . . Specularite
- Δ sp. . . . . .Sphalerite
- Δ spd . . . . . .Spodumene
- Δ staur . . . . . .Staurolite
- Δ stib. . . . . Stibnite
- Δ st . . . . . .Stone
- Δ talc. . . . . .Talc
- Δ Te . . . . . Tellurium
- Δ td. . . . . Tetrahedrite
- Δ th. . . . . .Thorite
- Δ Th . . . . . .Thorium
- Δ thuc . . . . . Thucholite
- Δ ti . . . . . Titanite
- Δ Ti. . . . . Titanium
- Δ tour . . . . . .Tourmaline
- Δ trap . . . . . .Trap rock
- Δ W. . . . . Tungsten
- Δ uran . . . . . Uraninite
- Δ U . . . . . .Uranium
- Δ verm . . . . . .Vermiculite
- Δ Y . . . . . Yttrium
- Δ Zn . . . . . .Zinc
- Δ zr. . . . . Zircon
- ▲ Ce. . . . . .Cerium
- ▲ al. . . . . .Allanite

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Bigwood Occurrence Lot 10, Con.2	cor,gf			O.D.M. AR. Vol.69 pt.8, chap.4 p.176 & 186
B	Bigwood Occurrence Lot 2, Con.2	ne			O.D.M. AR. Vol.69, pt.8, chap.4, p.174-176
C	Bigwood Occurrence Lots 8-9, Con.3	Ce,al			O.D.M. AR. Vol.69, pt.8, chap.4, p.186
D	Bigwood Occurrence Lot 10, Con.3	ne			O.D.M. AR. Vol.69, pt.8, chap.4, p.172-174
E	Bigwood Occurrence Lot 12, Con.6	ne			O.D.M. AR. Vol.69, pt.8, chap.4, p.172-174

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																			
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	McIntyre Porcupine Mines Ltd.				55																
2	Minerals Exploration Ltd.	55				55															
3	Quebec Uranium Mines Ltd.			55	54 55																
4	Steep Rock Iron Mines Ltd.				81 82																
5	Touzin, A.				55																

GDIF FORM NO. 2

BIGWOOD TOWNSHIP

DRILL HOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drill Hole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Length of Overburden Feet	Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Quebar Uranium Mines Ltd.	7 holes	1955	No	Data	-	-	-	-
2	Steep Rock Iron Mines Ltd.	FR-12	1981	230	45	-	200	ne	-
3		FR-2	1981	230	45	-	300	ne	-
3a		FR-4	1981	230	45	-	300	ne	-
3b		FR-5	1981	230	45	-	200	ne	-
3c		FR-6	1981	230	45	-	200	ne	-
3d		FR-7	1981	230	45	-	201	ne	-
3e		FR-8	1981	230	45	-	200	ne	-
4		FRN-201	1982	240	45	-	150	ne	-
4a		FRN-202	1982	240	45	-	101	ne	-
5		FRN-203	1982	240	45	-	150	ne	-
5a		FRN-204	1982	240	45	-	101	ne	-
5b		FRN-205	1982	240	45	-	102	ne	-
6		FRN-206	1982	240	45	-	101	ne	-
7	Touzin, A.	6	1955	?	45	-	67	ne	-

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO. 4

BIGWOOD TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

BIGWOOD TOWNSHIP

ODM GENERAL INDEX SEARCH

Words searched: ALLANITE, ATLIN-RUFENER LTD., BIGWOOD, CORUNDUM, FIFTEEN MILE ISLAND, FRENCH RIVER, GRENVILLE, MINERALS EXPLORATION, PICKEREL RIVER, RAE LAKE, RUTTER

Index Volume	Listing:	Report Volume	Part	Page
1	ALLANITE			
	Cerium in	9		196
6	ALLANITE			
	Bigwood area, notes and sketch map	69	8	186,88
7	ALLANITE			
	Votes on, by D. E. Hewitt	GC13		38
8	ALLANITE			
	Burwash area, Sudbury Dist.	GR116		104, 131
		MP22		61
		MP61		28,31
6	ATLIN-RUFENER MINES LTD.			
	French R. area, report and sketch map	69	8	186-188
	Cerium production	65	1	23
3	BIGWOOD TP., Sud.			
	Quartzite	38	4	3
6	BIGWOOD TP., Sud.			
	Allanite S. of	69	8	186-88
	Map, geological	69	8	with
	Nepheline syenite deposits, report on	69	8	163-86
6	BIGWOODITE			
	Bigwood Tp.	69	8	177
8	BIGWOOD TP., SUDBURY DIST.			
	corundum	GR116		133
	Geology of the Burwash area	GR116		
	graphite	GR116		141
9	BIGWOOD TP., SUDBURY DISTRICT			
	aegirine	MP70		21
	cancrinite	MP70		91
	corundum	MP70		126
	molybdenite	MP70		250
	natralite	MP70		260
	nepheline	MP70		261-262
	zircon	MP70		437

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
1	CORUNDUM			
	Associated with nepheline-syenite	12		104
3	CORUNDUM			
	Industry, notes on	38	4	3
6	CORUNDUM			
	Bigwood tp.	69	8	174,177
8	CORUNDUM			
	Bigwood Tp., Sudbury Dist.	GR116		133,145
9	CORUNDUM			
	Bigwood Tp., Sudbury Dist.	MP70		126
6	FIFTEEN MILE ISLAND			
	French r.			
	Allanite	69	8	186
	Nepheline syenite	69	8	174
8	FIFTEEN MILE ISLAND			
	Burwash area, Parry Sou d Dist.	GR116		99
6	FRENCH RIVER L. HURON			
	Allanite	69	8	186
	Nepheline syenite	69	8	163,174-177
8	GRENVILLE FRONT			
	Sudbury area, Sudbury Dist.	GB4		89-94
		GR124		54-55
8	GRENVILLE FRONT BOUNDARY FAULT			
	Burwash area, Sudbury Dist.	GR116		19-126
6	GRENVILLE OROGENY			
	Bigwood tp.	69	7	165,170
	Sudbury area	65	3	27,45
1	GRENVILLE SERIES			
	Graphite in	2		186
3	MINERALS EXPLORATIONS LTD.			
	Incorporated	36	1	59

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
6	PICKEREL RIVER, French r.			
	Allanite	69	8	186
	Rocks	69	8	170,183
	nepheline syenite	69	8	175
8	PICKEREL RIVER			
	Burwash area, Parry S.	GR116		95,99
		GR128		3,15
6	RAE LAKE, Bigwood tp.			
	Rocks	69	8	172,179, 183
	Uranium prospecting	69	8	186
8	RAE LAKE			
	Bigwood Tp., Sudbury Dist.	GR116		95,132
3	RUTTER, Bigwood tp.			
	Quartzite for abrasives	38	4	3
6	RUTTER, Bigwood tp.			
	Granodiorite, notes and analyses	69	8	179
	Nepheline syenite	69	8	163,172-174
	age	69	8	186
	analyses	69	8	173,177
	Syncline, notes and photo	69	8	180-182
8	"RUTTERITE"			
	Bigwood tp.	69	8	177
8	RUTTER-BURWASH AREA, Sudbury Dist.			
	mineral potential	MP61		28-31
8	RUTTER PLUTON			
	analyses, chem.	GR116		89
	Bigwood Tp. Sudbury Dist.			
	analyses, modal	GR116		91
	Bigwood Tp., Sudbury Dist.			
	petrography	GR116		81, 95
	Bigwood & Delamere Tps., Sudbury Dist.			

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D., Lumbers, S. B.	1977	Sudbury Cobalt Geological Compilation (Revised)	O.G.S. Map 2361	1"=4 miles
Lumbers, S. B.	1970	Burwash Area (West Half)	O.D.M. Map P.680	1"=1 mile
	1974	Burwash - Nipissing, Parry Sound and Sudbury Districts	O.D.M. Map 2271	1"=2 miles
	1967	Burwash Sheet	O.D.M. Map P.415	1"=2 miles
Hewitt, D. F.	1957	Bigwood Area	O.D.M. Map No. 1960f	1"=½ mile
		GEOPHYSICAL MAPS		
G.S.C., Department of Mines and Technical Surveys	1965	Aeromagnetic Maps Sudbury, Ontario	Map 7067G	1"=4 miles
	1965	Delamere, Ontario	Map 1509G	1"=1 mile
O.G.S.-G.S.C.	1978	Uranium Reconnaissance Program Airborne Gamma-Ray Spectrometer Survey Sudbury, Ontario	Map P.1610	1:250,000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Gartner, J. F.	1978	N.O.E.G.T. Study No.100 Data Base Map Sudbury	Map 5003	1:100,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Army Survey Establishment, R.C.E.	1961	Delamere (East) Topographic Map		1:50,000
		MINERAL POTENTIAL		
Kerrich, R. et al	1983	Industrial Minerals of Ontario. Parts 1 & 2	OFR5386	
Springer, J.	1976	Ontario Mineral Potential, Southern Part of the Sudbury Sheet, Districts of Algoma, Nipissing, Sudbury, Parry Sound, and Manitoulin	O.G.S. Map P.1511	1:250,000
Vos, M. A., Smith, B. A., Stevenato, R. J.	1981	Industrial Minerals of the Sudbury Area	OFR5329	
		GEOLOGICAL REPORTS AND MAPS		
Bell, R.	1898	Report of the Geology of the French River Sheet	G.S.C. AR9 Map 570	p.29 1"=4 miles
Card, K. D., Palonen, P.A. and Siemiatkowska, K. M.	1975	Geology of the Louise-Eden Area District of Sudbury	O.D.M. GR124 Map No.2299	p.54 1"=½ mile
Chapman, L. J.	1975	Physiography of the Georgian Bay-Ottawa Valley Area of Southern Ontario	O.D.M. GR128 Map 2228	p.3
Duke, N. A., Edgar, A. D.	1976	Petrology of the Blue Mountain and Bigwood Felsic Alkaline Complexes of the Grenville Province of Ontario	C.J. of Earth Sci. Vol.14, No.4	p.515-538
Hewitt, D. F.	1952	Kyanite and Sillimanite in Ontario	IMR4	
Hewitt, D. F. and Freeman, E. B.	1978	Rocks and Minerals of Ontario	ODMNA GC13	p.58,74-79, 128, 129

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Lumbers, S. B.	1975	Geology of the Burwash Area, Districts of Nipissing, Parry Sound and Sudbury	O.D.M. GR116 Map 2271	p.10-11, 1"=2 miles
	1971	Burwash Area (West Half) District of Sudbury and Parry Sound, Ontario	O.D.M. and Northern Affairs Map P.680	1"=1 mile
Pye, E. G.	1968	Summary of Field Work, by the Geological Branch	O.D.M. MP22	
Quirke, T. T.	1926	Mineral Deposits of Rutter Map-Area, Sudbury District, Ontario	G.S.C. Summ.	p.89c-95c
Robertson, J. A.	1975	Mineral Deposit Studies, Mineral Potential Evaluation, and by Regional Planning in Ontario	O.D.M. MP61	
Robertson, J. A. and Card, K. D.	1975	Geology and Scenery North Shore of Lake Huron Region	GB4	p.89
Satterley, J.	1977	A Catalogue of the Ontario Localities Represented by the Mineral Collection of the Royal Ontario Museum	O.D.M. MP70	
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Brocoum, S. J., Dalziel, I. W. D.	1974	The Sudbury Basin, The Southern Province, The Grenville Front and The Penokean Orogeny	G.S.A. Bull.85(4)	p.1571-1580
Clifford, P. M., Henderson, J. R., Hsu, M. Y., Kwak, T.A.P. and Spaven, H. R.	1970	The Grenville Front South of Sudbury, Ontario (Abstract)	G.A.C. Ann. Meeting	p.61

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Dalziel, I. W., Brown, T. M., Warren, T. E.	1969	The Structural and Metamorphic History of the Rocks Adjacent to the Grenville Front Near Sudbury Ontario, and Mount Wright, Quebec.	G.A.C. SP. No.5	
Davis, G. L. et al	1970	The Age of Metamorphism in the Grenville Province, and the Age of The Grenville Front	Carnegie Inst. Year Book,Vol.68	P.307-314
Henderson, J. R.	1967	Structural and Petrologic Relations across the Grenville Province - Southern Province Boundary, Sudbury District, Ontario (Canada). Unpublished Ph.D. Thesis	O.D.M. GR116	p.150
	1967	The Grenville Front in the Region East and South of the Sudbury, Ontario; in Geology of Parts of Eastern Ontario and Western Quebec	G.A.C. and M.A.C. O.D.M. GR116	p.150
Hewitt, D. F.	1960	Nepheline Syenite Deposits of Southern Ontario	O.D.M. Vol.69, pt.8, Map 1960e, 1960f	p.194 1"=½ mile
	1956	The Grenville Region of Ontario, in the Grenville Problem	Roy. Soc. Can. Spec. Publication No.1	
Krough, T. E., Davis, G. L.	1968	Geochronology of The Grenville Province, Geochronology and Geochemistry	Sudbury File No.3-4	p.224-230
Latour, T. E.	1981	Significance of Folds and Mylonites at the Grenville Front in Ontario; Summary	G.S.A. Bull.92(1)	p.411-413

Ontario

ONT

PRO

GEOLOGICA

BIGWO

D

Mile 0.5

Kilometre 0.5

Rutter

Alban

French River North Channel

Eighteen

80° 34'

46° 05' 30"

Emma L.

Creek

69

64

607

1

4

4

4

2, 3

5

2, 3

CANADIAN

PACIFIC

RIVER

Rae Lake

Ham Lake

Bigwood Bay

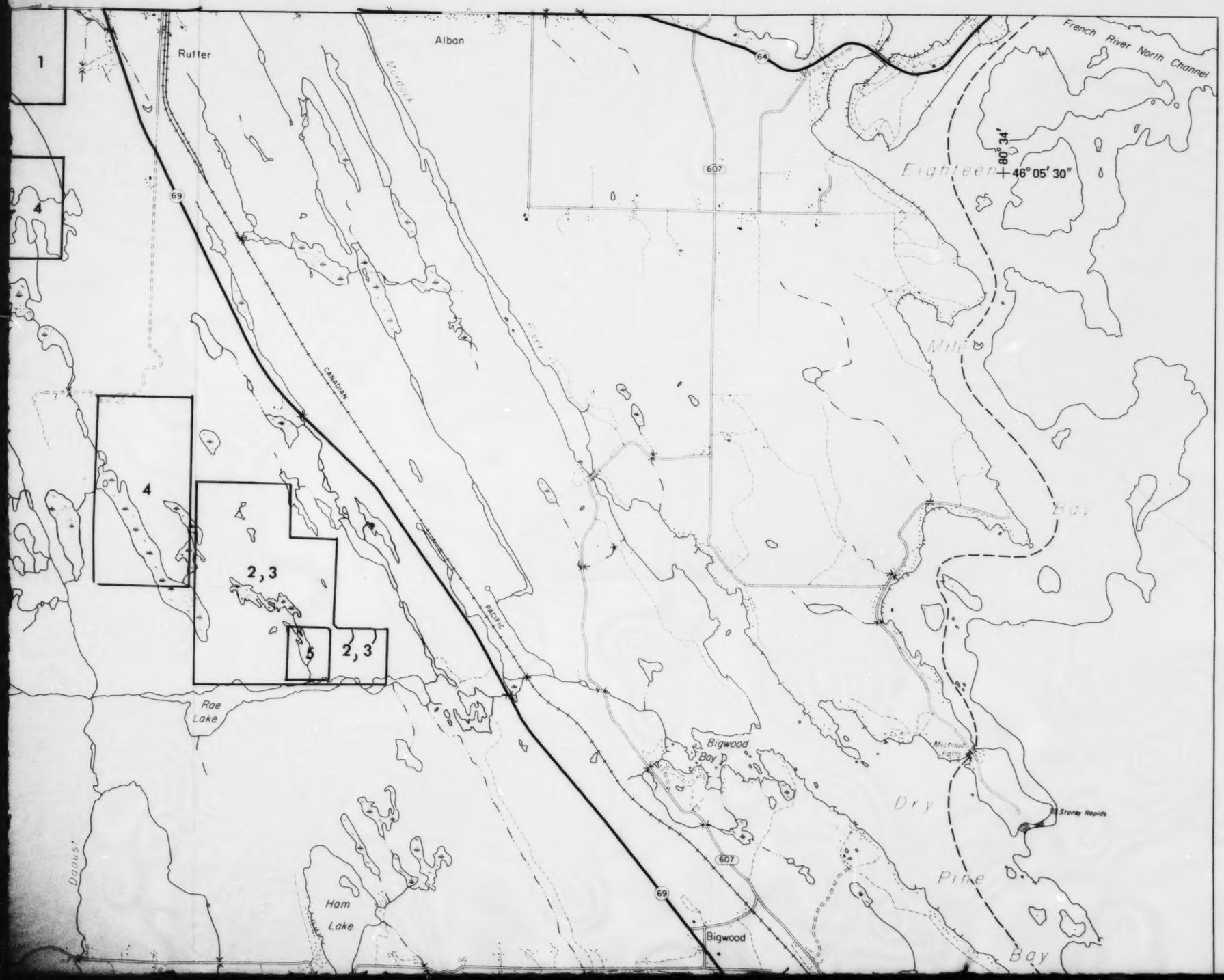
Stoney Rapids

Dry

Pine

Bay

Bigwood



Ministry of Natural Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 263

(Map **1** of **2**)

BIGWOOD TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

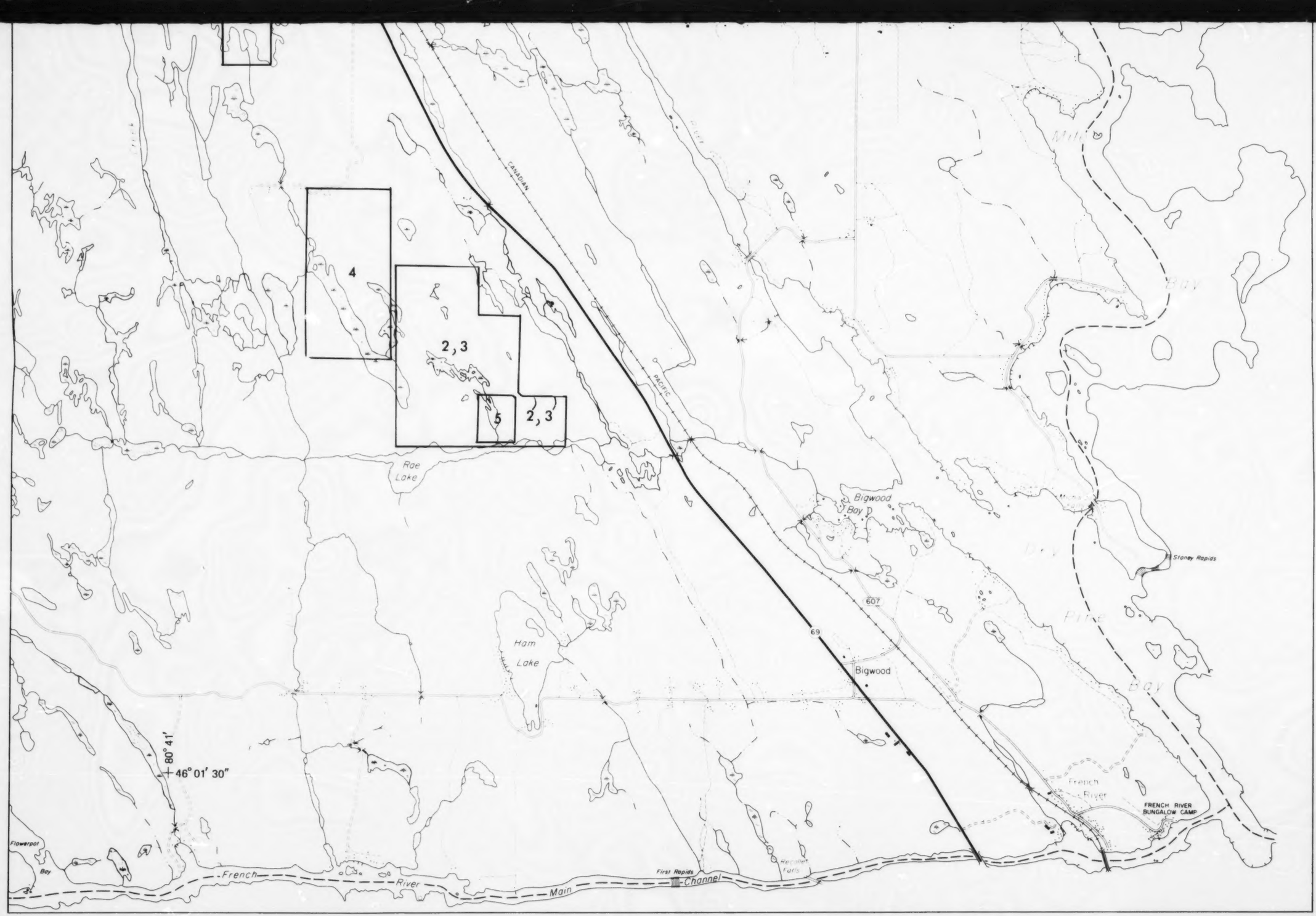
GEOLOGICAL

BIGWOO

DI

Mile 0.5

Kilometre 0.5



EXPLO

Referen
See listi

Small a

GEOLOGICAL DATA INVENTORY FOLIO 263

(Map 1 of 2)

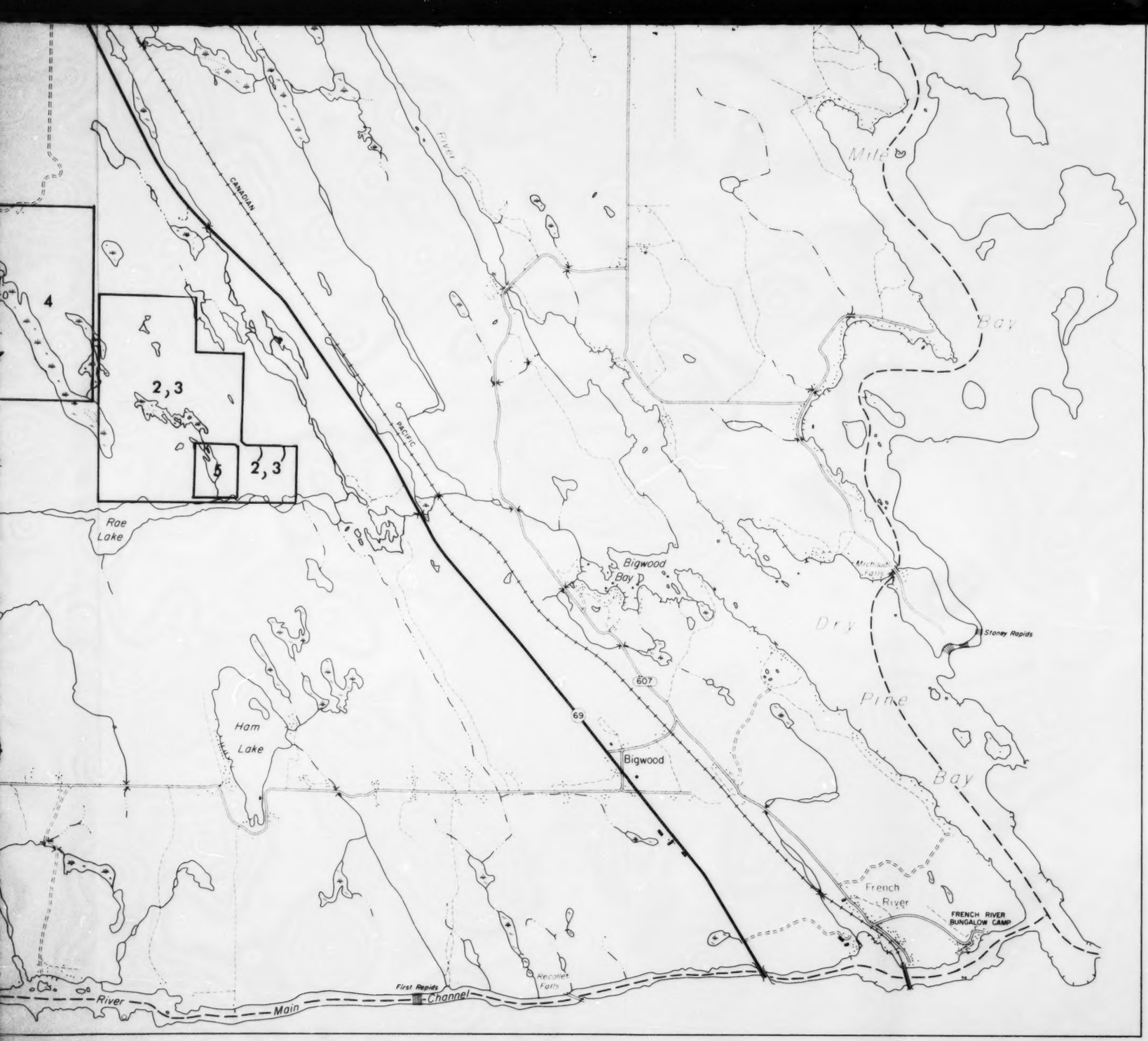
BIGWOOD TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

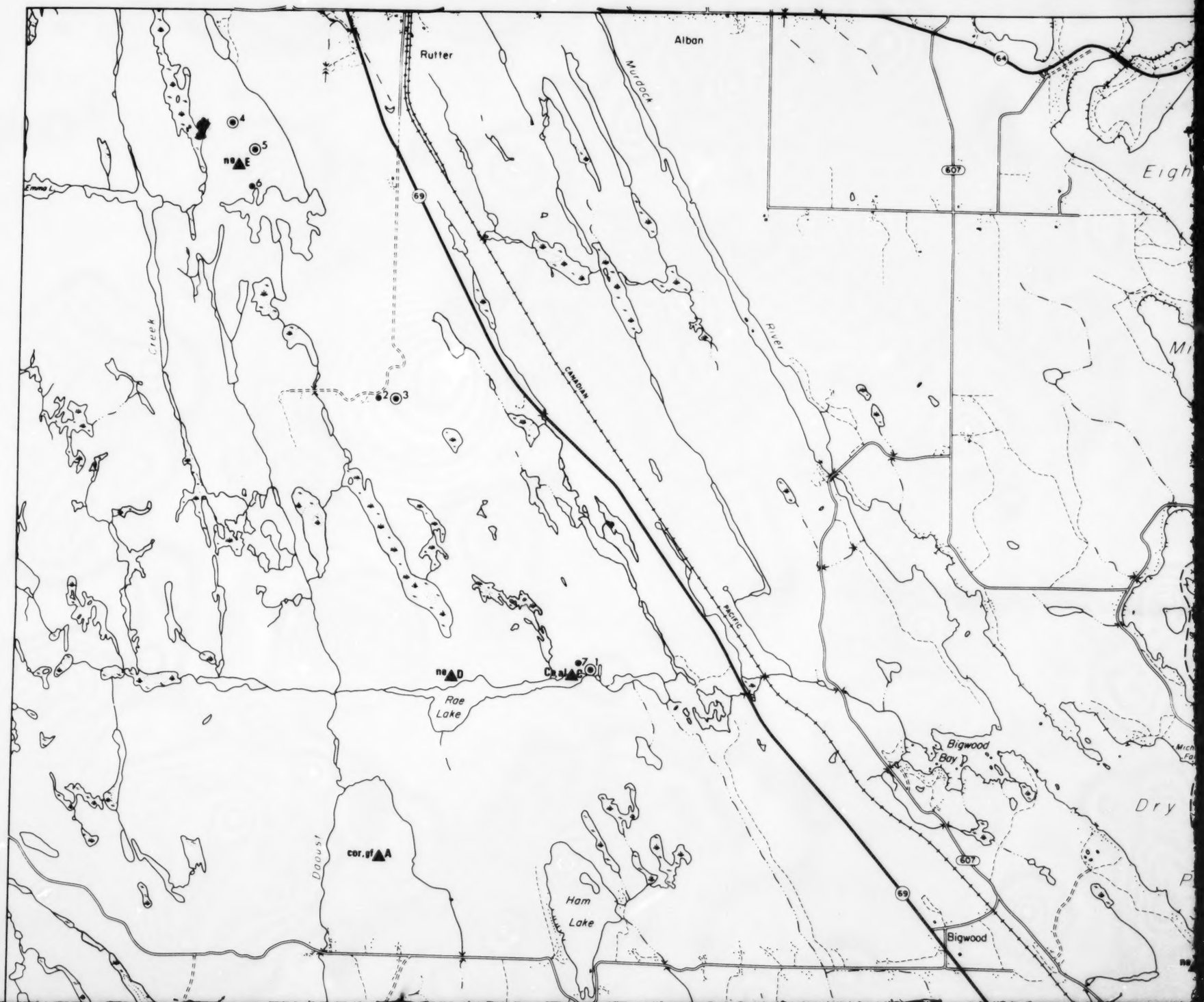
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number
- GC — Geochemical Anomaly

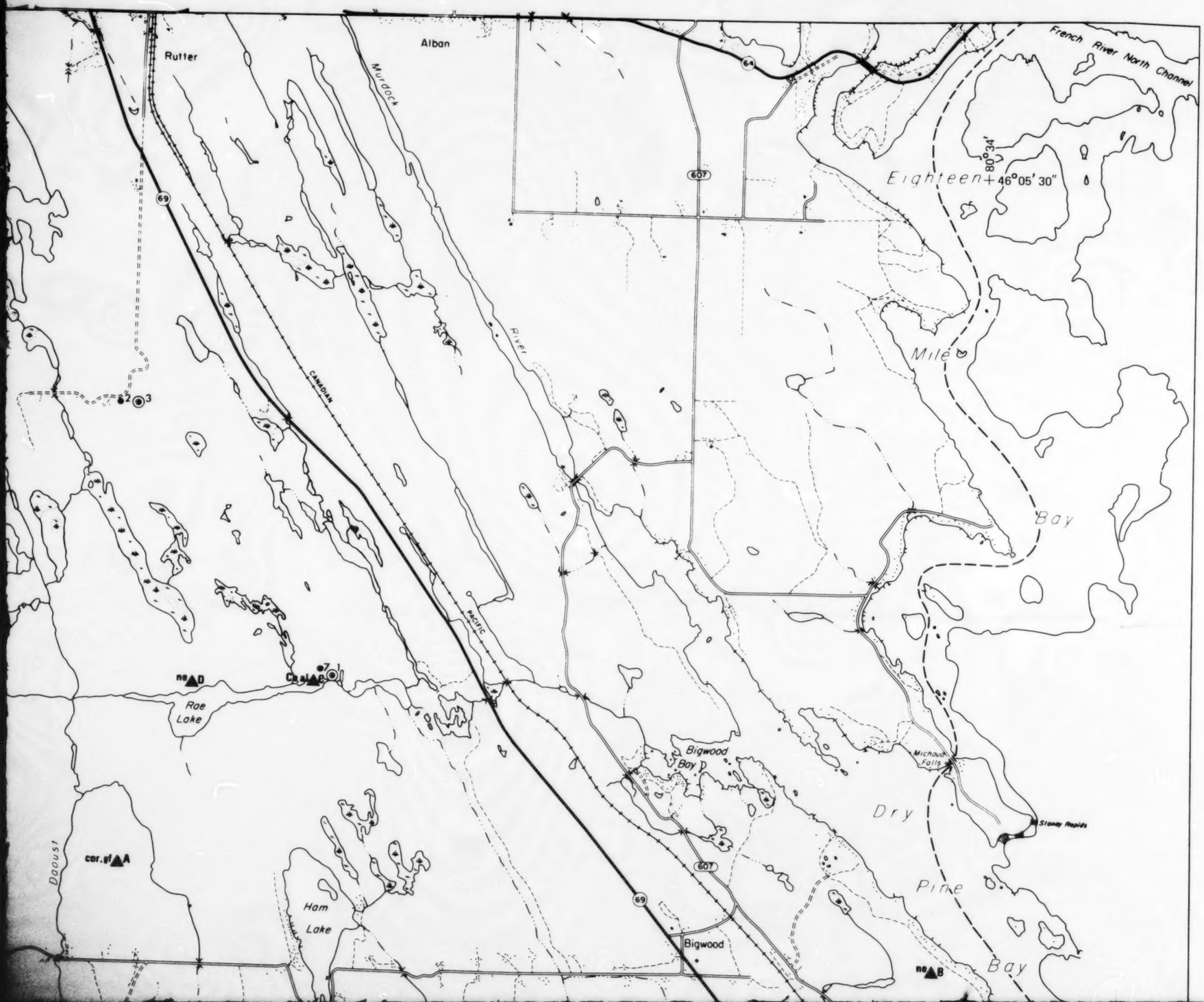
GEOPHYSICAL ANOMALIES

- AM — Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ARA — Airborne Radiometric Anomaly
- M — Ground Magnetometer Anomaly
- VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- RA — Ground Radiometric Anomaly
- IP — Induced Polarization Anomaly
- SP — Self Potential Anomaly
- AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- R — Resistivity Anomaly
- GR — Gravity Anomaly
- Radiometric Site

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry
- Adit
- Sand and/or gravel pit





Ministry of Natural Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 263

(Map **2** of **2**)

BIGWOOD TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number

Age dating material sampling site, with reference number

GC — Geochemical Anomaly

GEOPHYSICAL ANOMALIES

AM — Airborne Magnetometer Anomaly

Airborne Electromagnetometer Anomaly
Length of anomaly along flight line

Airborne Electromagnetometer Anomaly.
Location of anomaly along flight line

Airborne Electromagnetometer Anomaly
Conductor Axis: definite, probable, possible

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(VL - Vertical Loop; HL - Horizontal Loop;
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Crone EM - 16)

RA — Ground Radiometric Anomaly

IP — Induced Polarization Anomaly

SP — Self Potential Anomaly

AFMAG — Audio-frequency magnetometer anomaly
(total intensity)

R — Resistivity Anomaly

GR — Gravity Anomaly

Radiometric Site

MISCELLANEOUS DATA

Trenching, pit

Adit

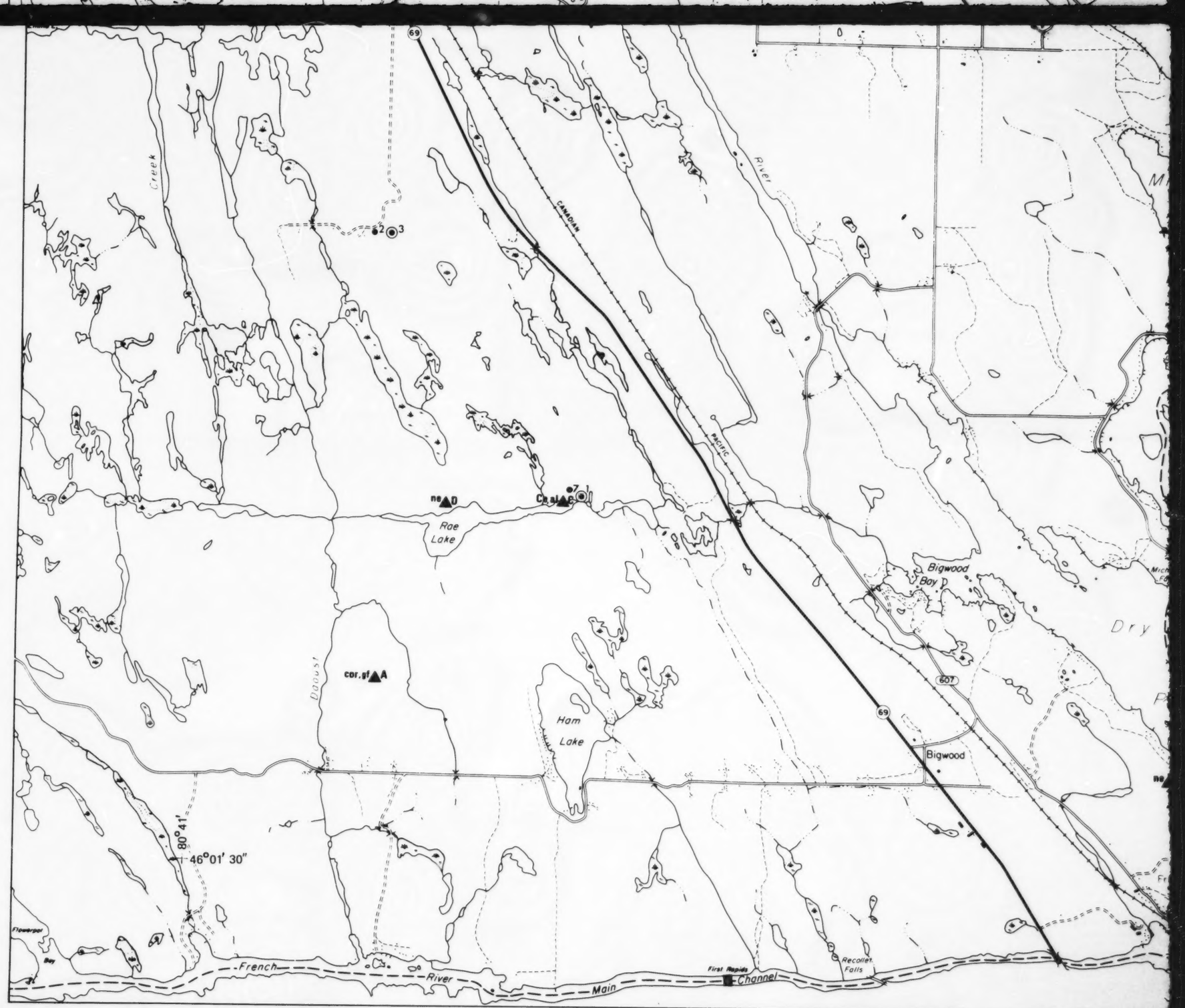
Open pit

Multiple Pits

Rock quarry

Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 263

(Map **2** of **2**)

BIGWOOD TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

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- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- Property with drill holes which have not been plotted on map, with reference number
- Reverse Circulation Drill Hole; Churn drilling, with reference number

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